



CONSTRUCTION EQUIPMENT

VOLVO EC160EL 314468 - HYDRAULIC SYSTEM



Sample No: VCP0007416

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007416	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	1040	---	---	---
Oil Hours	1040	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.54	---	---	---



CONTAMINATION

Particles >4µm		█ 14975	---	---	---
Particles >6µm		█ 1596	---	---	---
Particles >14µm		█ 49	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ 36	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	69	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	516	---	---	---
Phosphorus	ppm	391	---	---	---
Barium	ppm	10	---	---	---
Boron	ppm	0	---	---	---



ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

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Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is ISO 46 AW Hydraulic Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0092
Unique No: 10710691
Signed: Wes Davis
Report Date: 25 Oct 2023

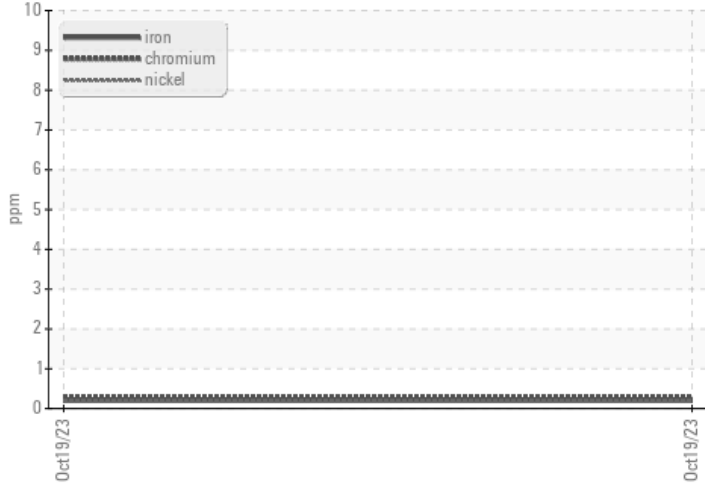


CONSTRUCTION EQUIPMENT

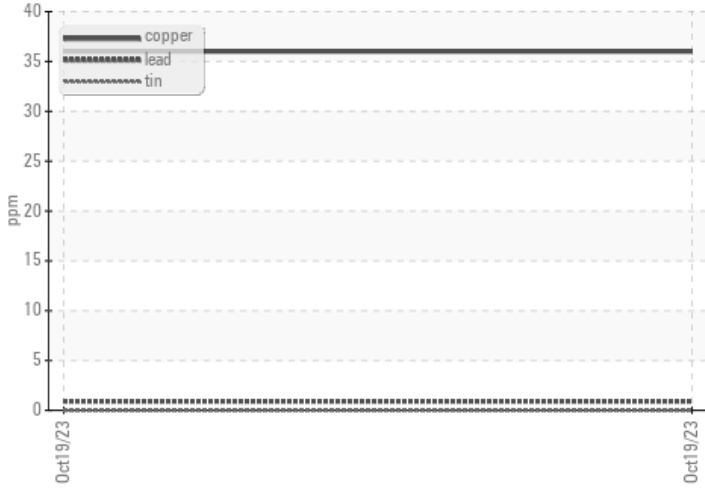


GRAPHS

Ferrous Alloys



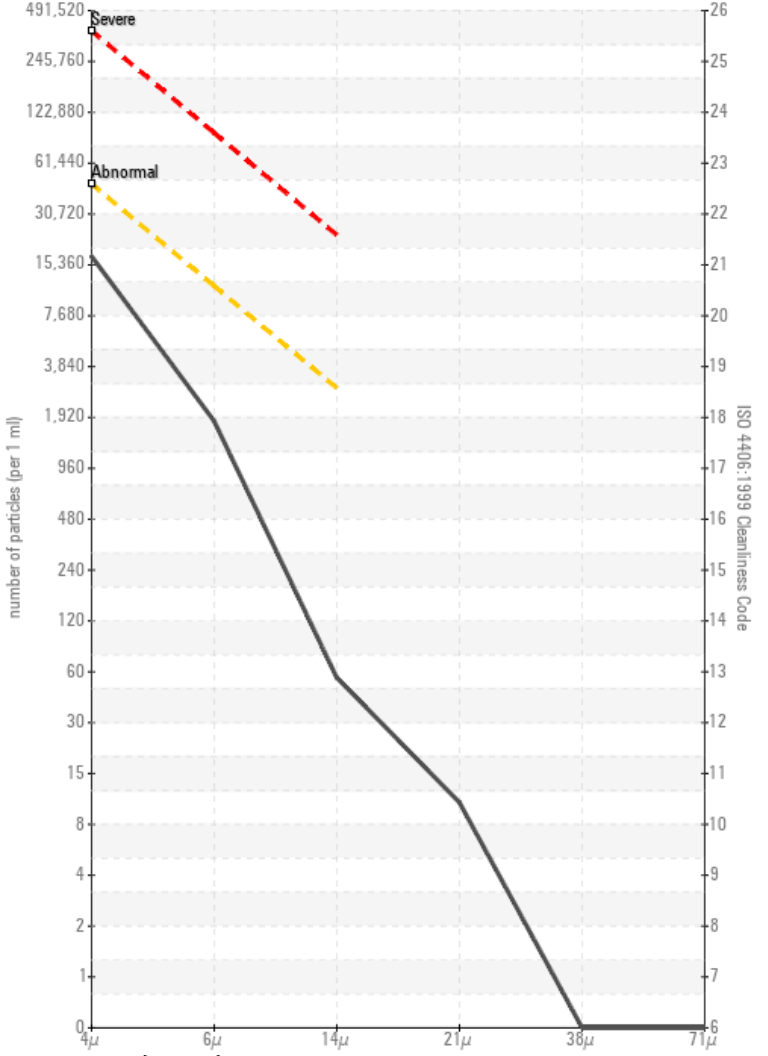
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

